Owners' Manual Beogram 2400

US #75

Bang & Olufsen

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Beogram 2400, 5716, USA

OPERATION

12" records: Press 33
7" records: Press 45
10" records: Move the pickup arm in to the first groove and press 33.

Special 7" records, 33 rpm: Move the pickup arm to the first groove and press 33.

Pause: Press PAUSE.
To continue playing from the same point, again press 33 or 45.
You may also move the pickup to another passage and again press 33 or 45.

To stop before the record has finished, press STOP.

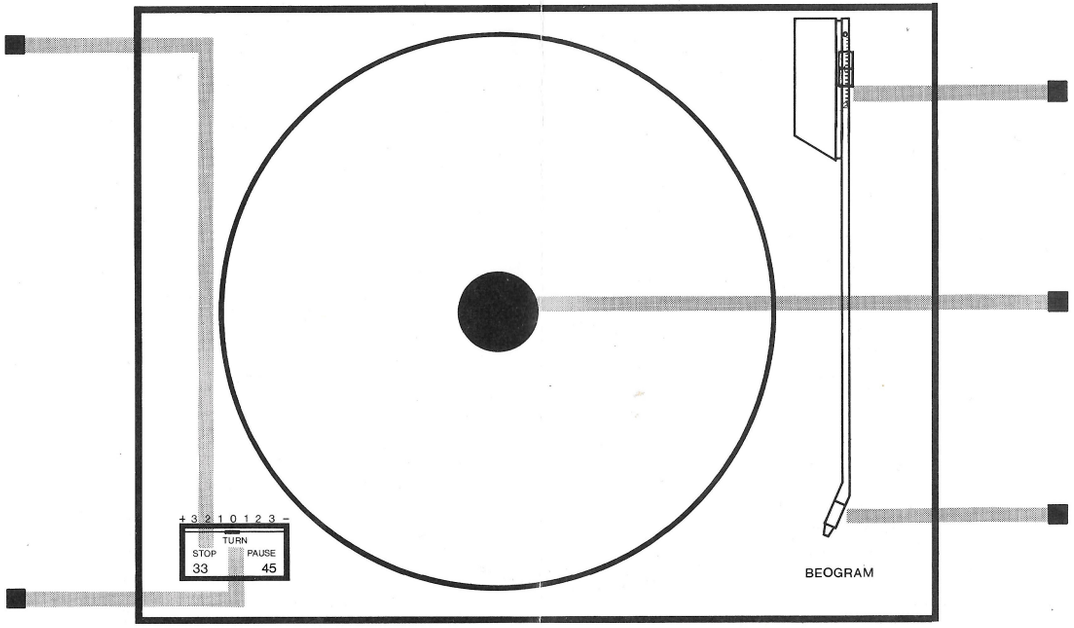
Wiping of records

Pressing TURN will cause the turntable to rotate without the pickup being moved in.

Adjustment speed

Press TURN and keep the button depressed while turning the rimoperated wheel. Correct speed is obtained when the pointer is at 0.

WARNING: To prevent fire or shock hazard, do not expose this appliance to rain or moisture.



Stylus Force

Set the slide control to the desired value on the dial.
Recommended stylus force for the MMC 4000 is 1 gram.

Records with Large Center Holes

Place the adaptor which is supplied on the record spindle before putting on the record.

Pickup Cartridge

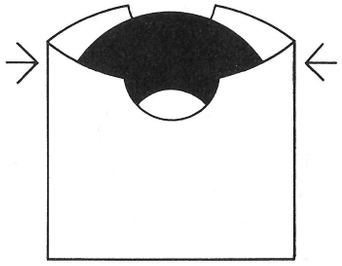
Treat the pickup stylus with care. Put the stylus quard on before wiping dust off the metal surface, and before moving or transporting your record player.

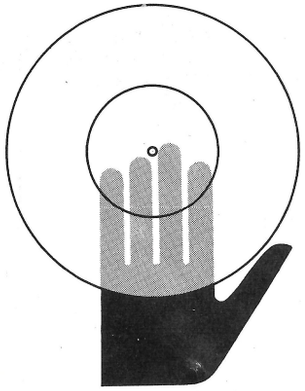
If a record is warped, eccentric or otherwise defective, or if the room temperature is well below calibration temperature (24°C, 75°F) or with a record which is cut at extremely high modulation levels it may be necessary to increase the stylus pressure to 1.2 grams.

Care of Discs

In designing the Beogram, every effort has been made to ensure that your records can be played many times with no deterioration of sound quality. However, there is something you can do. You can minimize wear by avoiding dust particles and finger prints on your records. Dust can be wiped off using one of the aids which are commercially available.

We assume that you keep your discs in their jackets.
Care should be taken in removing a discs because the friction against the inner side of the jacket is enough to give the disc a static charge which attracts dust. Hold the disc jacket so that its sides bend away from the disc. Put your hand in below the disc so that



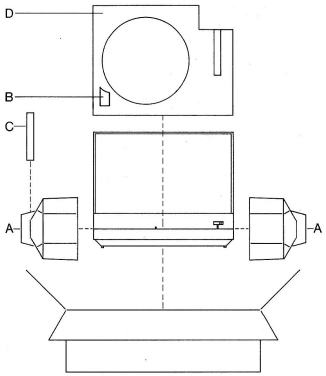


the middle finger touches the center hole and the thumb gribs the rim of the disc, without touching the grooves of the disc. Pull the disc out of its jacket in such a manner that the jacket only touches the edge of the disc, not the flat surfaces. Hold only the rim of the disc when putting it on the turntable.

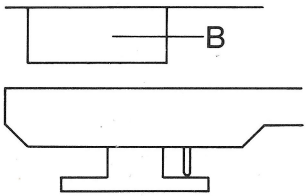
Keep the dust cover of your Beogram closed while playing the disc.
Put the disc back in its jacket in the same careful manner, avoiding friction between the sides of the disc and the jacket. By doing so you help to reduce the need for antistatic wiping of your disc.

Set up of Beogram 2400

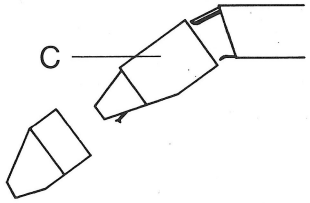
In order to avoid damage during transit, your Beogram is packed in a special carton, and several components are taken off and placed separately in the foam insert.



A Take off the end pieces and open the dust cover.



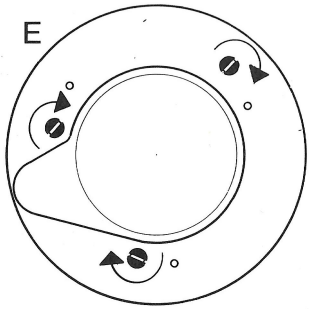
B Insert the counterbalance weight in the rear section of the pickup arm, before removing packing component D



C Insert the pickup cartridge in the arm contacts, with the stylus guard in place, and before removing packing component D.

D Take packing component with turntable out of the record player.
Take off the stylus guard and set the pickup arm stylus pressure to the recommended value of 1 gram.

The tone arm balance is factory preadjusted for your convenience.



E Turn the three transit screws clockwise as far as they will go.

Put the turntable down on the under-turntable. If you subsequently have to take off the turntable, the easiest way to do this is to first lift the record spindle and thereafter put your fingers in under the turntable rim.

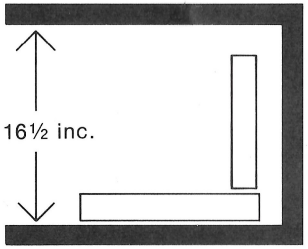
Keep the carton and packing for possible subsequent transport of your record player.

Connecting to an Amplifier or Receiver

Your Beogram has a cable which is fitted with 2 pin plugs marked "l" left and "R" right, or colored grey for left and black for right channel.
Inset these plugs into the low-impedance phono jacks of your amplifier or receiver. Attach the black ground lead to the ground terminal on your amplifier or receiver.

Power connection

The Beogram is designed for operation on 117 volts, 60 Hz. It will operate on voltages between 110 and 130 volts.



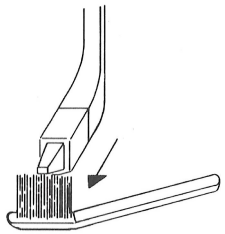
Space requirements

Allow a free height of at least 16½ inches to enable the dust cover to be opened fully.

MAINTENANCE

Pickup

It is recommended that the stylus is cleaned regularly, to maintain optimum sound quality, and at the same time protecting your valuable records and insuring long life of the stylus.



Removal of the pickup cartridge

Hold the pickup arm firmly with one hand while carefully moving the cartridge from side to side and pulling outwards with the other.

Metal surfaces

The chassis deck and turntable can usually be kept clean with a dry cloth.

Be careful not to damage the stylus. Put the stylus guard in place before wiping the metal surfaces clean of dust, and before moving or transporting your record player.

Any grease stains on the metal surfaces can be removed with a soft cloth moistened in a cold or lukewarm solution of detergent in water.
Thereafter wipe throughly with a dry cloth.

Dust cover

Repeated cleaning with a dry cloth will cause the dust cover to eventually pick up a static charge. It is therefore advisable to use detergent once in a while, when wiping the dust cover.

Teak and Rosewood

If the wood surface seem grey and dry you may apply a thin film of ordinary furniture oil, though not more than once or twice a year.

Blond Oak

The removal of dark spots requires acetone. Do not use oil under any circumstances - even non-oil detergent or non-oil wax can cause discoloration of the surface.
Should more extensive treatment or repairs become necessary, consult your dealer.

TECHNICAL DATA	BEOGRAM 2400
Type No.	**5716**
Sound system	Stereo, matrix
Speeds	33 - 45 rpm
Tonearm	Pivoting
Automatic pickup movement	Yes
Automatic speed selection	Yes
Wow and flutter, DIN	< ± 0.06%
Wow and flutter, WRMS	< ± 0.03%
Rumble DIN unweighted	> 43 dB
Rumble DIN weighted	> 63 dB
Speed deviation	< 0.05%
Speed control range	> ± 3%
Stylus pressure range	0 - 2 gram
Tangential tracking error	0.126° / cm
Lift system	Mechanical
Antiskating	Automatic
Motor	Servo controlled DC
Drive system	Flat belt
Turntable	12 inc. - LBS 1.76
Dust cover	Hinged
Power supply	117 volts
Frequency	60 Hz
Power consumption	8 watts
Dimensions W x H x D	17½ x 3½ x 13 inc.
Weight	13.2 LBS
Pickup	MMC 4000
Stylus	Elliptical naked diamond
Radius of curvature	5 x 17 µm
Frequency range	20 - 25,000 Hz ± 1.5 dB
Channel separation 1000 Hz	> 25 dB
400 - 10.000 Hz	> 20 dB
Channel difference	< 1.5 dB
Intermodulation	< 1%
Recommended stylus pressure	1 gram
Compliance	30×10^{-6} / dyn
Effective tip mass	0.4 mg
Output mV / 10 cm / sec.	8.5 mV / 47 kohms

Subject to change without notice

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